

FORM 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION (Use several sheets if necessary)	Docket Number: 6786.78USC5	Application Number: NEW FILING
	Applicant: EYAL ET AL.	
	Filing Date: HERewith	Group Art Unit: UNKNOWN

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	1,906,068	04/25/1933	Jenemann			
	2,223,797	12/03/1940	Tindall			
	2,261,926	11/04/1941	Nolte et al.			
	2,331,948	10/19/1943	Ward et al.			
	2,350,370	06/06/1944	Schopmeyer et al.			
	2,415,558	02/11/1947	Hesler et al.			
	2,539,472	01/30/1951	Ratchford et al.			
	2,710,880	06/14/1955	Filachione et al.			
	4,142,023	02/27/1979	Bornstein et al.			
	4,275,234	06/23/1981	Baniel et al.			
	4,282,323	08/04/1981	Yates			
	4,334,095	06/08/1982	Baniel			
	4,405,717	09/20/1983	Urbas			
	4,444,881	04/24/1984	Urbas			
	4,467,034	08/21/1984	Voelskow et al.			
	4,698,303	10/06/1987	Bailey et al.			
	4,769,329	09/06/1988	Cooper et al.			
	4,771,001	09/13/1988	Bailey et al.			
	5,068,418	11/26/1991	Kulprathipanja et al.			
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	5,071,754	12/10/1991	Walkup et al.			
	5,132,456	07/21/1992	King et al.			
	5,138,074	08/11/1992	Bellis et al.			
	5,142,023	08/25/1992	Gruber et al.			
	5,210,296	05/11/1993	Cockrem et al.			
	5,247,058	09/21/1993	Gruber et al.			


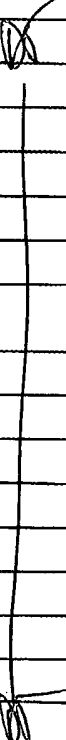
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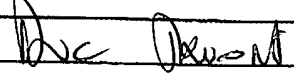
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<i>[initials]</i>	5,247,059	09/21/1993	Gruber et al.			
	5,258,488	11/02/1993	Gruber et al.			
	5,274,073	12/28/1993	Gruber et al.			
	5,338,822	08/16/1994	Gruber et al.			
	5,349,084	09/20/1994	Shishikura et al.			
	5,357,034	10/18/1994	Fridman et al.			
	5,357,035	10/18/1994	Gruber et al.			
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	5,420,304	05/30/1995	Verser et al.			
	5,446,123	08/29/1995	Gruber et al.			
	5,475,080	12/12/1995	Gruber et al.			
	5,484,881	01/16/1996	Gruber et al.			
	5,510,526	04/23/1996	Baniel et al.			
	5,521,278	05/28/1996	O'Brien et al.			
	5,525,706	06/11/1996	Gruber et al.			
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	5,585,191	12/17/1996	Gruber et al.			
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	5,641,406	06/24/1997	Sarhaddar et al.			
	5,681,728	10/28/1997	Miao et al.			
	5,712,152	01/27/1998	Dequin et al.			
	5,746,920	05/05/1998	Boergardts et al.			
	5,773,653	06/30/1998	Baniel			
	5,766,439	06/16/1998	Eyal et al.			
	5,780,276	07/14/1998	Baniel			
<i>[initials]</i>	5,786,185	07/28/1998	Tsao et al.			

EXAMINER <i>[Signature]</i>	DATE CONSIDERED <i>9/9/04</i>
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	5,831,122	11/03/1998	Eyal				
	5,892,109	04/06/1999	Baniel et al.				
	5,965,771	10/12/1999	King et al.				
	6,229,046	05/08/2001	Eyal et al.				
	6,320,077	11/20/2001	Eyal et al.				
	6,534,679 B2	03/18/2003	Eyal et al.				
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO 85/01064	03/14/1985	PCT				
	WO 93/00440	01/07/1993	PCT				
	WO 93/06226	04/01/1993	PCT				
	WO 95/03268	02/02/1995	PCT				
	WO 95/25081	09/21/1995	PCT				
	WO 95/32301	11/30/1995	PCT				
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	WO 97/35489	10/02/1997	PCT				
	WO 98/15517	04/16/1998	PCT				
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	33552	07/01/1969	IL				X
	907,321	10/03/1962	GB				
	2 251 864	07/22/1992	GB				
	0 076 123	04/06/1983	EP				
	0 159 585 A2	10/30/1985	EP				
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						YES	NO
<input checked="" type="checkbox"/>	0 308 064	03/22/1989	EP				
<input checked="" type="checkbox"/>	0 517 242 A2	12/09/1992	EP				
<input checked="" type="checkbox"/>	0 614 983 A	09/14/1994	EP				
<input checked="" type="checkbox"/>	3222837 A1	12/22/1983	DE				X
<input checked="" type="checkbox"/>	27 00 644	07/21/1977	DE				X
<input checked="" type="checkbox"/>	1 049 846	02/05/1959	DE				X
<input checked="" type="checkbox"/>	197 18 608 A1	11/05/1998	DE			Abstract	
<input checked="" type="checkbox"/>	197 47 790 C1	11/26/1998	DE			Abstract	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
<input checked="" type="checkbox"/>		Blumberg et al., 1974, <i>Proceedings of the International Solvent Extraction Conference</i> , Vol. 3, pgs 2789-2802 "Interesting Aspects in the Development of a Novel Solvent Extraction Process for Producing Sodium Bicarbonate"					
<input checked="" type="checkbox"/>		Benthin et al., 1995, <i>Appl Microbiol Biotechnol</i> , Vol. 42, pgs 826-829 "Production of Optically Pure D-Lactate by <i>Lactobacillus Bulgaricus</i> and Purification by Crystallisation and Liquid/Liquid Extraction",					
<input checked="" type="checkbox"/>		Cann, I., et al., "Characterization of Two Novel Saccharolytic Aerotolerant Thermophiles, <i>Thermobacter polysaccharolyticum</i> gen. nov., sp. nov. and <i>Thermobacter zeeae</i> gen. nov., sp. nov.", Department of Animal Sciences, University of Illinois at Urbana-Champaign, Urbana, IL 61801; 20 pages (undated).					
<input checked="" type="checkbox"/>		Chen et al., <i>Appl. Biochem. biotechnol.</i> (1997), 63-65, 435-448.					
<input checked="" type="checkbox"/>		Cheng et al., 1991, <i>Journal of Industrial Microbiology</i> , Vol. 7, pgs 27-34 "Lactic Acid Production From Enzyme-Thinned Corn Starch Using <i>Lactobacillus Amylovorus</i> ",					
<input checked="" type="checkbox"/>		Davison et al., 1992, <i>Biotechnology and Bioengineering</i> , Vol. 39, pgs 365-368 "A Proposed Biparticle Fluidized-Bed for Lactic Acid Fermentation and Simultaneous Adsorption",					
<input checked="" type="checkbox"/>		Dequin et al., 1994, <i>Bio/Technology</i> , 12:173-177 "Mixed Lactic Acid-Alcoholic Fermentation by <i>Saccharomyces cerevisiae</i> Expressing the <i>Lactobacillus casei</i> L(+)-LDH					
<input checked="" type="checkbox"/>		Fukunishi, Kunio, <i>Chemical Abstracts</i> , Vol. 107, No. 1, 1987 "Production of optically active lactic acid" p. 543					
<input checked="" type="checkbox"/>		Jacquet, et al., "Typing of <i>Listeria monocytogenes</i> by Restriction Polymorphism of the Ribosomal Ribonucleic Acid Gene Region," <i>Zbl. Bakt.</i> , 276:356-365, (1992).					
<input checked="" type="checkbox"/>		Genga, et al., 1983, <i>Microbiologica</i> , 1:1-8 "Mitochondrial NAD, L-Lactate Dehydrogenase and NAD, D-Lactate Dehydrogenase in the Yeast <i>Saccharomyces Cerevisiae</i> "					
<input checked="" type="checkbox"/>		Gonzalez-Vara et al., 1996, <i>Journal of Fermentation and Bioengineering</i> , Vol. 81, No. 6, pgs 548-552 "Production of L(+) and D(-) Lactic Acid Isomers by <i>Lactobacillus casei</i> subsp. <i>casei</i> DSM 20011 and <i>Lactobacillus coryniformis</i> subsp. <i>torquens</i> DSM 20004 in Continuous Fermentation",					
<input checked="" type="checkbox"/>		Mehaia, M., et al., "Lactic Acid from Acid Whey Permeate in a Membrane Recycle Bioreactor", <i>Enzyme Microb. Technol.</i> , 8:289-292 (May 1986).					
<input checked="" type="checkbox"/>		Peters, E., "Microbiological and Biochemical Characterization of the Steeping Phase of the Corn Wet Milling Process" (abstract of a thesis submitted in partial fulfillment of requirements for degree), University of Iowa, pp. i-v, 39-57, 62-64, 77-79, 83-100, 105-107, 115 (May 1996).					
<input checked="" type="checkbox"/>		Grimont, F., et al., "Ribosomal Ribonucleic Acid Gene Restriction Patterns as Potential Taxonomic Tools," <i>Ann. Inst. Pasteur/Microbiol.</i> (Paris), 1378:165-175, (1986).					

EXAMINER	<i>David D. Brown</i>	DATE CONSIDERED	9/9/04
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
		Nakamura, L.K. et al., 1977, <i>Developments in Industrial Microbiology</i> , Proceedings of the Thirty-Fourth General Meeting of the Society for Industrial Microbiology Held at East Lansing, MI, August 21-26, 1977 "Microbiology of Corn Fermented with Swine Waste"
		Nakahara, Tadaatsu, et al., Chemical Abstracts, Vol. 118, No. 5, 1993 "Manufacture of D-lactic acid from 1,2-propanediol with <i>Pseudomonas</i> ", p. 559
		Porro et al., 1994, <i>Med. Fac. Landbouww. Univ. Gent.</i> , 59/4b:2303-2311 "Production of Lactic Acid from Engineered <i>Saccharomyces Cerevisiae</i> Cells"
		Porro et al., 1995, <i>Biotechnology</i> , 11:294-298 "Development of Metabolically Engineered <i>Saccharomyces cerevisiae</i> Cells for the Production of Lactic Acid"
		Ricker et al., 1980, <i>J. Separ. Proc. Technol.</i> 1(2), pgs 23-30 "Solvent Extraction with Amines for Recovery of Acetic Acid from Dilute Aqueous Industrial Streams",
		Rixey, W. et al., "Fixed-Bed Multisolute Adsorption Characteristics of Nonwet Adsorbents", <i>AIChE Journal</i> , Vol. 35, No. 1, pgs 69-74 (January 1989)
		Rixey, W. et al., "Wetting and Adsorption Properties of Hydrophobic Macroporous Polymeric Adsorbents", <i>Journal of Colloid and Interface Science</i> , Vol. 131, No. 2, pgs 320-332 (September 1989)
		Roy, T.B.V. et al., 1982, <i>Biotechnology Letters</i> , 4(8):483-488 "Lactic Acid Production by <i>Lactobacillus Delbreuckii</i> in a Hollow Fiber Fermenter"
		Roy, T.B.V. et al., 1983, <i>Biotechnology Letters</i> , 5(10):665-670 "The Application of Cell Recycle to Continuous Fermentative Lactic Acid Production"
		San-Martin, M. et al., "Liquid-Liquid Extraction of Lactic Acid with Alamine 336", <i>Journal of Chemical Technology and Biotechnology</i> , Vol. 65, No. 3; March 1, 1996; pages 281-285
		Stanbury, P., et al., "Principles of Fermentation Technology," 1984, Pergamon Press, pages 33-37
		Stenroos, S.L. et al., 1982, <i>Biotechnology Letters</i> , 4(3):159-164 "Production of L-Lactic Acid with Immobilized <i>Lactobacillus Delbreuckii</i> "
		Stieber, R.W. et al., 1981, <i>Biotechnology and Bioengineering</i> , XXIII(2):534-549 "Dialysis Continuous Process for Ammonium Lactate Fermentation: Simulated and Experimental Dialysate-Feed, Immobilized-Cell Systems"
		Yabannavar, V., et al., "Extractive Fermentation for Lactic Acid Production", <i>Biotechnology and Bioengineering</i> , 37:1095-1100 (1991).
		Yang et al., 1995, <i>Applied Biochemistry and Biotechnology</i> , Vol. 51/52, pgs. 57-71 "Lactic Acid Production by Pellet-Form <i>Rhizopus oryzae</i> in a Submerged System"
		Ye et al., 1996, <i>Journal of Fermentation and Bioengineering</i> , Vol. 81, No. 3, pgs 240-246 "Performance Improvement of Lactic Acid Fermentation by Multistage Extractive Fermentation"

EXAMINER	<i>De Rosa</i>	DATE CONSIDERED	9/9/04
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